COVERAGE NAME : REDWOODA

COVERAGE AREA: STATEWIDE

COVERAGE DESCRIPTION:

The 'REDWOODA' layer represents the natural range of coastal redwood trees throughout California. It does not provide a complete coverage of vegetation for any county.

The California Department of Forestry and Fire Protection (CDF), Forest and Rangeland Resources Assessment Program (FRRAP) established and funded the project to assist in developing a system to access and monitor the extent, condition and use of California's redwood lands. The College of Natural Resources Department at Humboldt State University completed the project. The details of this project are covered in the final report "A Classification, Map and Volume Estimate for the Coast Redwood Forest in California" (Fox, 1989) available from CDF.

The layer was developed by Fox in 1988 from 1986 color infrared photos at 1:130,000 scale and supplemented with NASA and USGS aerial photos for the southern range of redwood. Data were ground checked where possible or checked from low flying aerial surveys; however, a formal accuracy assessment was not performed.

CDF is currently working on a contracted project to update the redwood data and provide complete vegetation (habitat) coverage for the entire Klamath region. Old growth, however, will not be mapped in this updated and expanded vegetation data layer; therefore, counties south of Marin will not be updated at this time. Landsat Thematic Mapping Imagery (1990) is the source media for this project. This project is scheduled for completion by March 1994.

VITAL STATISTICS:

Datum:	NAD 83
Projection:	Albers
Units:	Meters
1st Std. Parallel:	34 00 00 (34.0 degrees N)
2nd Std. Parallel:	40 30 00 (40.5 degrees N)
Longitude of Origin:	-120 00 00 (120.0 degrees W)
Latitude of Origin:	00 00 00 (0.0 degrees)
False Easting (X shift):	0
False Northing (Y shift):	-4,000,000
Source:	FOX 1988
Source Media:	Color infrared photos
Source Projection:	N/A
Source Units:	N/A
Source Scale:	1:130,000
Capture Method:	Hand digitized & coding
Conversion Software:	ARC/INFO rev. 5.0.1
Data Structure:	Vector
ARC/INFO Coverage Type:	Polygon
ARC/INFO Precision:	Single
ARC/INFO Tolerances:	5 meters
Number of Features:	1,381 polygons
Layer Size:	2.0 KB
Data Updated:	In progress (see page 1, paragraph 4)

DATA DICTIONARY:

DATAFILE NAME: REDWOODA.PAT
RECORD LENGTH: 30

Non-standard POLYGON attribute fields:

COLUMN	ITEM NAME	WIDTH	OUTPUT	TYPE	N.DEC
25	SPECIES	4	5	C	-
29	SZ	1	1	I	-
30	CL	1	1	I	-
	** REDEFINED ITEMS **				
25	SPECSZCL	6	6	C	-

NOTE: Items common to all POLYGON coverages: AREA, PERIMETER,
    REDWOODA# and REDWOODA-ID are not described here.

SPECIES: Species code

Species Code	Description
OG	Old growth Redwood
SR	Second growth Redwood-Redwood dominant
SH	Second growth Redwood-Hardwood dominant
SD	Second growth Redwood-Douglas Fir dominant
PL	Plantation (recently harvested-count as redwood)
DF	Douglas Fir (old growth and second growth)
HD	Hardwood
MX	Mixed Conifer (old growth and second growth)
OV	Other vegetation
NV	Non-vegetation
<blank>	Not mapped by Fox (outside natural Redwood range)

SZ :   Size Class

Size Class	Description
0	Non-tree type (not mapped)
1	Saplings (1-6" in Diameter at Breast Height [DBH])
2	Small (7-11" DBH)
3	Medium (12-24" DBH)
4	Large (>24" DBH)

CL :   Density Class (canopy closure)

Density Class	Description
0	Non-tree type (not mapped)
1	Sparse (10-39%)
2	Medium (40-70%)
3	Dense (>70%)

SPECSZCL: Concatenation of the above 3 items, for example,
'OG 41' is old growth Redwood, size class 4, density class 1.

DATA QUALITY ASSESSMENT:

The following are subjective comments regarding this data.

Data should be used with caution given the small source scale (1:130,000) of the
photography used. More Redwood polygon omissions are likely to have occurred.